

WHAT IS CLAIMED IS:

1 1. A method for processing queries, the method comprising:
2 receiving a set of previous queries, wherein each of the previous queries
3 includes one or more units;
4 sorting the queries into subsets along a dimension;
5 generating one or more subset-specific concept networks for each subset of the
6 queries; and
7 comparing corresponding subset-specific concept networks from at least two
8 of the subsets, thereby generating trend information for a unit.

1 2. The method of claim 1, wherein the dimension is a time dimension.

1 3. The method of claim 1, wherein the dimension is defined by reference
2 to one or more demographic characteristics of users.

1 4. The method of claim 1, wherein the dimension is a geographic
2 dimension.

1 5. The method of claim 1, wherein the dimension is a vertical dimension
2 representing a user context of the query.

1 6. The method of claim 1, further comprising:
2 receiving a subsequent query;
3 parsing the subsequent query into one or more constituent units; and
4 using the trend information in formulating a response to the subsequent query.

1 7. The method of claim 6, wherein the trend information is used to
2 resolve an ambiguous term of the query.

1 8. The method of claim 6, wherein the trend information is used to
2 suggest a related search.

1 9. The method of claim 6, wherein the trend information is used to group
2 response data.

1 10. The method of claim 6, wherein the trend information is used to select
2 an advertisement for display.

1 11. A system for processing queries, comprising:
2 a trend analysis module configured to sort a set of queries into a plurality of
3 subsets along a dimension; and
4 a clustering module configured to generate respective concept networks for
5 each of the plurality of subsets,
6 wherein the trend analysis module is further configured to compare the
7 respective concept networks for at least two of the subsets, thereby generating trend
8 information.

1 12. The system of claim 11, wherein the dimension is a time dimension.

1 13. The system of claim 11, wherein the dimension is defined by reference
2 to one or more demographic characteristics of users.

1 14. The system of claim 11, wherein the dimension is a geographic
2 dimension.

1 15. The system of claim 11, wherein the dimension is a vertical dimension
2 representing a user context of the query.

1 16. The system of claim 11, further comprising a response module
2 configured to receive a subsequent query, to parse the subsequent query into one or more
3 constituent units, and to formulate a response to the query based at least in part on the trend
4 information.

1 17. The system of claim 16, wherein the response module is further
2 configured to use the trend information to resolve an ambiguous term of the query.

1 18. The system of claim 16, wherein the response module is further
2 configured to use the trend information to suggest a related search.

1 19. The system of claim 16, wherein the response module is further
2 configured to use the trend information to group response data.

1 20. The method of claim 16, wherein the response module is further
2 configured to use the trend information to select an advertisement for display.